## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/018440

1	CATION OF SUBJECT MATTER 2006.01), <b>B22C1/00</b> (2006.01)	•	
According to Inte	ernational Patent Classification (IPC) or to both national	al classification and IPC	
B. FIELDS SE	ARCHED		
	nentation searched (classification system followed by cl -27/42, D21J1/00-7/00, B22C1/0		
Jitsuyo	searched other than minimum documentation to the extension Shinan Koho 1922-1996 Jiitsuyo Shinan Koho 1971-2005 To	tsuyo Shinan Toroku Koho	he fields searched 1996-2005 1994-2005
Electronic data b	pase consulted during the international search (name of	data base and, where practicable, search	terms used)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X A	JP 8-209600 A (Kabushiki Kai 13 August, 1996 (13.08.96), Par. Nos. [0026], [0029], [00 drawings (Family: none)		14,15 1-13,16,17
X A	JP 6-86843 U (Kiyoshi KITA), 20 December, 1994 (20.12.94) Par. Nos. [0004], [0005]; dra (Family: none)	,	16,17 1-15
A	JP 2000-239998 A (Kao Corp.) 05 September, 2000 (05.09.00) Full text & WO 1999/042659 A1 & US & US 6468398 B1 & EP	), 6645348 B2	1-17
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  28 December, 2005 (28.12.05)		later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  & document member of the same patent family  Date of mailing of the international search report  17 January, 2006 (17.01.06)	
Name and mailing address of the ISA/		Authorized officer	
Japanese Patent Office			
Facsimile No.		Telephone No.	

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A	JP 2004-195547 A (Kao Corp.), 15 July, 2004 (15.07.04), Full text & WO 2003/076104 A1 & US 2004/0069429 A1 & EP 1488871 A1	1-17
E,A	JP 2005-290600 A (Kao Corp.), 20 October, 2005 (20.10.05), Full text (Family: none)	1-17